

9.1 Vectors (odd answers)

1. Vector

3. direction

5. draw these

7. $|v_x| = 1.9$, $|v_y| = 4.1$

9. magnitude: 2, direction angle: 30°

11. magnitude: 5, direction angle: 0°

13. $\langle 4\sqrt{2}, 4\sqrt{2} \rangle$

15. $\langle 17.5, -4 \rangle$

17. $\langle 18, -22 \rangle$

19. -34

21. 32.5°

23. perpendicular

25. neither

27. $-7i - j$

29. magnitude: $\sqrt{29}$, direction angle: 158.2°

31-33 Review (You should know how to do these!)